



FORM PTO-1446 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 3161-25-2	SERIAL NO. 10/719,196
	APPLICANT MILLIS et al.	
	FILING DATE November 20, 2003	GROUP ART 1632

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
dw	1	5,429,939	7/4/1995	Misawa et al.	436	67	
dw	2	5,530,189	6/25/1996	Ausich et al.	800	205	
dw	3	5,545,816	8/13/1996	Ausich et al.	800	205	
dw	4	5,684,238	11/4/1997	Ausich et al.	800	205	
dw	5	5,656,472	8/12/1997	Ausich et al.	435	193	
dw	6	5,705,624	1/6/1998	Fitzmaurice et al.	536	23.2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

dw	7	Miura et al., Production of the Carotenoids Lycopene, β -Carotene, and Astaxanthin in the Food Yeast <i>Candida utilis</i> ; <i>Applied and Environmental Microbiology</i> 1998, 64(4):1226-1229
dw	8	Shimada et al., Increased Carotenoid Production by the Food Yeast <i>Candida utilis</i> through Metabolic Engineering of the Isoprenoid Pathway, <i>Applied and Environmental Microbiology</i> 1998, 64(7):2676-2680

EXAMINER dw forlicker	DATE CONSIDERED 10/22/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

11/20/03

Sheet 1 of 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 3161-25-2	SERIAL NO. not yet assigned
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
ch	1	5,589,372	12/31/96	Robinson	435	193	
ch	2	5,766,911	6/16/98	Koike et al.	435	193	
ch	3	6,242,227 B1	6/2001	Millis et al.	435	125	
ch	4	6,410,755 B1	6/2002	Millis et al.	549	408	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
ch	5	EP 393690 B1	10/24/90	EPO				
ch	6	EP 486290 A2	5/20/92	EPO				
ch	7	EP 769551 A1	4/23/97	EPO				
ch	8	WO 2000001649	1/2000	PCT				
ch	9	WO 2000001650	1/2000	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

ch	10	Anderson et al., 1989a, <i>J. Biol. Chem.</i> 264:19169-19175
ch	11	Anderson et al., 1989b, <i>J. Biol. Chem.</i> 264:19176-19184
ch	12	Avalos et al., <i>Biochimica et Biophysica Acta</i> , 966:257-265 (1988)
ch	13	Badillo et al., 1995, <i>Plant Mol Biol</i> , 27:425-428
ch	14	Basson et al., 1988, <i>Mol Cell Biol</i> , 8:3797-3808
ch	15	Berges et al., 1997, <i>J. Bacteriol</i> , 179:4664-70
ch	16	Bergstrom et al., 1993, <i>Proc. Nat'l Acad Sci USA</i> , 90:80-84
ch	17	Bostedor et al., 1997, <i>J Biol. Chem.</i> , 272:9197-9203
ch	18	Bourot et al., 1995, <i>Gene</i> , 165:97-102
ch	19	Carattoli et al., 1991, <i>J. Biol. Chem.</i> , 266:5854-5859
ch	20	Chambon et al., 1991, <i>Lipids</i> 26:633-636
ch	21	Chambon et al., 1990, Production of terpenes by yeast. GIM-90 Pt. II:917-922

EXAMINER <i>M. Mallick</i>	DATE CONSIDERED 10/23/05
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22	Chambon et al., 1990, <i>Curr. Genetics</i> , 18:41-46
23	Chen et al., 1994, <i>Prot. Sci.</i> 3:600-607
24	Crowley et al., 1998, <i>J. Bacteriol.</i> , 180:4177-4183
25	Dequin et al., 1988, <i>Biotech Lett</i> , 10:457-462
26	Dimster-Denk et al., 1996, <i>Mol. Cell. Biol.</i> , 16:3981-3989
27	Dimster-Denk et al., 1994, <i>Mol. Biol. Cell.</i> , 5:655-665
28	Donald et al., 1997, <i>Appl. Environ. Microbiol.</i> , 63:3341-3344
29	Downing et al., 1980, <i>Biochem Biophys Res Comm</i> , 94:974-979
30	Eisenreich et al., 1998, <i>Chem Biol</i> , 5:221-233
31	Fegueur et al., 1991, <i>Curr Genetics</i> , 20:365-372
32	Fujisaki et al., 1990, <i>J. Biochem.</i> 108:995-1000
33	Hahn et al., 1996, <i>J Bacter.</i> 178:619-624
34	Hampton et al., 1996, <i>Tr. Biochem Sci</i> , 21:140-145
35	Hemmi et al., 1998, <i>J. Biochem.</i> 123:1088-1096
36	Hiser et al., 1994, <i>J Biol Chem</i> , 269:31383-31389
37	Jennings et al., 1991, <i>Proc. Natl. Acad. Sci. USA</i> 88:6038-6042
38	Jiang et al., 1995, <i>J Biol Chem</i> , 270:21793-21799
39	Kajiwara et al., 1997, <i>Biochem J</i> , 324:421-426
40	Karst et al., 1977, <i>Molec. Gen. Genet.</i> 154:269-277
41	Koyama et al., 1993, <i>J. Biochem.</i> 113:355-363
42	Kuntz et al., 1992, <i>Plant Journal</i> 2:25-34
43	Lewis et al., 1985, <i>J Bacter</i> 163:199-207
44	Lewis et al., 1988, <i>Yeast</i> 4:93-106
45	Lois et al., 1998, <i>Proc Nat'l Acad Sci USA</i> , 95:2105-2110
46	Loubbardi et al., 1995, <i>J Bacter.</i> , 177:1817-1823
47	Math et al., 1992, <i>Proc. Natl. Acad. Sci. USA</i> 89:6761-6764
48	Mayer et al., 1992, <i>Yeast</i> 8:743-748
49	Meigs, 1997, <i>Arch Biochem Biophys</i> , 345:1-9
50	Misawa et al., 1998, <i>J Biotech</i> , 59:169-181
51	Mosqueda-Cano et al., <i>Current Microbiology</i> , 31:141-145 (1995)
52	Novotny et al., 1994, <i>Biotech Lett</i> , 16:539-542
53	Ohnuma et al., 1996b, <i>J. Biochem.</i> 119:541-547
54	Oulmouden et al., 1991, <i>Curr. Genet.</i> , 19:9-14

EXAMINER	<i>Infelicker</i>	DATE CONSIDERED	60/23/05
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dw	55	Parks et al., 1995, <i>Annu. Rev. Microbiol.</i> 49:95-116
dw	56	Randall et al., <i>Plant Cell</i> , 5:433-442 (1993)
dw	57	Sandmann et al., 1993, <i>J. Photochem. Photobiol. B: Biol.</i> 18:245-251
dw	58	Servouse et al., 1986, <i>Biochem J.</i> 240:541-547
dw	59	Servouse et al., 1984, <i>Biochem Biophys Res Comm.</i> 123:424-430
dw	60	Song et al., 1994, <i>Proc. Natl. Acad. Sci. USA</i> , 91:3044-3048
dw	61	Szkopinska et al., 1993, <i>FEMS Microbiol. Lett.</i> 112:325-328
dw	62	Takahashi et al., 1998, <i>Proc Nat'l Acad Sci USA</i> , 95:9879-9884
dw	63	Tarshis et al., 1996, <i>Proc. Nat'l Acad Sci USA</i> , 93:15018-15023
dw	64	Toth et al., 1996, <i>J Biol Chem</i> , 271:7895-7898
dw	65	Tsay et al., 1991, <i>Mol. Cell. Biol.</i> , 11:620-631
dw	66	Wang et al., 1999, <i>Biotech Bioeng</i> , 62:235-241
dw	67	Wiedemann et al., 1993, <i>Arch Biochem Biophys</i> , 306:152-157
dw	68	Yamano et al., 1994, <i>Biosci. Biotechnol. Biochem.</i> 58:1112-1114

EXAMINER	<i>M. Salick</i>	DATE CONSIDERED	10/23/05
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